

This demo accompanies the following paper. The software consist of a MATLAB program.

'Generalized Total Variation: Tying the Knots'  
IEEE Signal Processing Letters

**Abstract:** This paper formulates a convex generalized total variation functional for the estimation of discontinuous piecewise linear signals from corrupted data. The method is based on (1) promoting pairwise group sparsity of the second derivative signal and (2) decoupling the principle knot parameters so they can be separately weighted. The proposed method refines the recent approach by Ongie and Jacob.

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